MOTION PLATFORM

QS-S35

6 DOF

The QS-S35 has the largest motion envelope in the Qubic line. Its 300 mm actuator stroke gives the widest heave range of any compact QS platform - enough to reproduce full cornering forces and heavy turbulence without clipping, so what is felt matches what is seen even during extreme maneuvers. Built for dedicated sim rooms and commercial training centers.

WHY QS-S35

Unleashed Performance
300 mm stroke for the most realistic motion experience

Commercial Grade
Built for training centers and professional sim rooms

Full Motion Envelope
Three times the heave range of any compact 6DOF

Industrial Endurance
Built for commercial duty in training centers and professional sim rooms.

6DOF	250kg	300mm	475kg	0-60Hz
ARCHITECTURE	PAYLOAD	ACTUATOR STROKE	SET WEIGHT	VIBRATIONS

WHAT TO EXPECT

RACING SIMULATION

- Full cornering force reproduction
- Extended traction loss sensation
- Continuous motion without clipping
- Multi-axis combined dynamics

FLIGHT & TRAINING

- Full turbulence envelope
- Realistic spatial disorientation cues
- Extended G-force range
- Extended sustained-motion cues

COMPATIBLE WITH

- QS-BT1 Belt Tensioner
- Most Sim Racing Accessories
- Flight Simulation Peripherals
- Commercial Training Systems

SPECIFICATIONS

SYSTEM PERFORMANCE	SINGLE EXCURSION	MAX EXCURSION	VELOCITY	ACCELERATION
Heave	-169.9 / +173.3 mm	-169.9 / +173.3 mm	400 mm/s	5001 mm/s²
Surge	-306.2 / +283.2 mm	-366 / +364 mm	700 mm/s	7453 mm/s²
Sway	±270.2 mm	±316 mm	700 mm/s	7453 mm/s²
Pitch	±14.3°	-18.8° / +18.6°	35°/s	350°/s²
Roll	±15.8°	±16.5°	35°/s	450°/s²
Yaw	±22.9°	±27.1°	60°/s	700°/s²

SPECIFICATIONS	
Payload	250 kg
Product Weight	475 kg
Vibration Range	0-60 Hz
Supply Voltage	220-240V, 50-60Hz
Max Power	3.2 kVA
Noise Level	74.6-77.6 dB (dedicated room recommended)
Max Velocity	700 mm/s
Max Acceleration	0.76 G
Stroke	300 mm
Latency	<8 ms

QS-S35 Technical Specifications

MOTION PLATFORM

DIMENSIONS	
Diameter	2056 mm
Max Height	2046 mm
Total Width	2013 mm
Total Length	1912 mm
Min Height	1703 mm

POWER DRAW	VALUE
Average power	2.1 kVA
Peak power	3.3 kVA
Average current	10 A
Peak current	19 A
Avg power - stress test	1.1 kW
Avg power - typical game	0.3 kW

WHAT'S IN THE BOX?

QS-S35 Motion Platform

- 6x industrial-grade linear actuators
- Upper and bottom frame
- Monitor mounting brackets
- Transport wheels

Accessories

- Motion controller
- Motion-Lock
- Main power switch
- Set of cables

QUBIC SYSTEM

qubicsystem.com
info@qubicsystem.com
Made in Poland (EU)

PRODUCT MANUAL

CONNECT WITH US

Discord: qubicsystem
YouTube: @qubicsystem
Instagram: @qubicsystem